

Gold King Mine Release Incident

SAMPLE DELIVERY GROUP: 680-117065-2

Prepared by

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I. INTRODUCTION

Task Order Title: Gold King Mine Release Incident

Project No.: 20408.012.001.0274.00

20408.012.001.0267.00

Sample Delivery Group: 680-117065-2
EPA Project Manager: Steve Way
Weston Project Manager: Dave Robinson

TDD No.: 0001/1508-04

Matrix: Water QC Level: Stage 2A

No. of Samples: 6 No. of Reanalyses/Dilutions: 0

Laboratory: TestAmerica- Savannah

Table 1. Sample Identification

Location ID	Lab Sample Name	Matrix Type	Collection Date	Method
CC06_092115_0844	680-117065-9	Water	9/21/15 8:44 AM	200.7, 200.8, 2320B, 2340B, 245.1, 300.0, 4500
GKMSW309_092215	680-117065-8	Water	9/22/15 1:50 PM	200.7, 200.8, 2320B, 2340B, 245.1, 300.0, 4500
GKMTW436_092215A	680-117065-6	Water	9/22/15 11:55 AM	200.7, 200.8, 2340B, 245.1
GKMTW436_092215B	680-117065-7	Water	9/22/15 12:00 PM	200.7, 200.8, 2340B, 245.1
GSPOND_EFF_092015 _1127	680-117065-11	Water	9/20/15 11:27 AM	200.7, 200.8, 2320B, 2340B, 245.1, 300.0, 4500
RBEFFLUENT_092115 _1006	680-117065-10	Water	9/21/15 10:06 AM	200.7, 200.8, 2320B, 2340B, 245.1, 300.0, 4500

1



II. Sample Management

Anomalies regarding sample management are listed below. The samples were received within the temperature limits of $4^{\circ}C$ $\pm 2^{\circ}C$. The samples were received intact, on ice, and properly preserved. The chain-of-custody (COC) was appropriately signed and dated by field and laboratory personnel. The presence or absence of custody seals on the cooler was not specifically noted.

The following issues were noted:

- A correction made to the COC by the laboratory was made by overwriting the original entry. The correction was not initialed or dated.
- Dissolved hardness was requested on the COC. Per previous instruction, the laboratory only provided total hardness.
- The COCs did not list CLP sample IDs, and none were provided. The laboratory logged the samples per the location IDs on the COCs.
- The presence or absence of sample tags was not noted in the case narrative, and sample tags were not listed on the COCs.



Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins or PCB congeners.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
UB	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential positive bias.
J-	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential negative bias.

Qualifier	Organics	Inorganics
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
UJB	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
С	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995 or calibration was noncompliant.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
В	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
L1	LCS/LCSD RPD was outside control limits.	LCS/LCSD RPD was outside control limits.
Q	MS/MSD recovery was poor.	MS recovery was poor.
Q1	MS/MSD RPD was outside control limits.	MS/MSD RPD was outside control limits.
Е	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
Α	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tune was not compliant.
Т	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	Not applicable.
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
F1	Field duplicate results were outside the control limit.	Field duplicate results were outside the control limit.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.



Qualifier	Organics	Inorganics
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
Р	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
* , *	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.



III. Method Analyses

A. Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, 200.7, 200.8, 245.1—Metals and Mercury

Reviewed By: P. Meeks

Date Reviewed: September 26, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the Sampling and Analysis Plan/Quality Assurance Project Plan for Gold King Mine Release, Silverton, San Juan County, Colorado (2015), United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, EPA Methods 200.7, 200.8 and 245.1, and the National Functional Guidelines for Inorganic Superfund Data Review (2010).

- Holding Times: The analytical holding times, 28 days for mercury and six months for the remaining metals, was met.
- Analytical Method Blanks: Results listed in the table below were qualified as nondetected (UB) at the level of contamination. There were no other detects reported in the method blanks.

Analyte	Method Blank (µg/L)	Qualified Samples
Copper (total)	1.69 (>RL)	GKMTW436_092215A
Selenium (total)	5.85 (>RL)	All results

- Laboratory Control Samples (LCS): The recoveries were within laboratory control limits of 85-115%.
- Laboratory Duplicates: No laboratory duplicate analyses were performed on a sample in this SDG. Method precision was evaluated based on matrix spike/matrix spike duplicate results.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD): MS/MSD analyses were performed on sample RBEffluent_092115_1006 for total and dissolved mercury. MS/MSD analyses were also performed on the samples listed below from related SDG 680-117065-1.

Parent Sample	Analysis
CC48_092115D	200.7 and 200.8 (total)
A72_092115	200.7 and 200.8 (dissolved)
M34_092115	200.7 (dissolved)
CC48_092115	Mercury (dissolved)



Results were not assessed when the native concentration was more than $4\times$ the spike amount. In the MS/MSD of sample A72_092115, dissolved magnesium (126%/acceptable), potassium (127%/acceptable), and sodium (acceptable/126%) were recovered above the control limit; therefore, results for these analytes were qualified as estimated with a potential high bias (J+) in the samples. Nondetects were not qualified for the high recoveries. The remaining recoveries were within the laboratory control limits of 75-125% for the 200.7 analytes and within 70-130% for mercury and the 200.8 analytes. The RPDs were \leq 20%.

- Post Digestion Spike (PDS): There were no PDS analyses performed on a sample in this SDG.
- Serial Dilution: There were no serial dilution analyses performed in this SDG.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples.
 Following are findings associated with field QC samples:
 - Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were identified in this SDG.
 - o Field Duplicates: There were no field duplicate samples identified in this SDG.

B. VARIOUS EPA METHODS—General Chemistry

Reviewed By: P. Meeks

Date Reviewed: September 26, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the Sampling and Analysis Plan/Quality Assurance Project Plan for Gold King Mine Release, Silverton, San Juan County, Colorado (2015), United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, EPA Method 300.0, Standard Methods for the Examination of Water and Wastewater 2340B, 2320B, and 4500 H+, and the National Functional Guidelines for Superfund Inorganic Data Review (2010).

Holding Times: Nitrate-N was analyzed beyond the holding time in samples RBEffluent_092115_1006, GSPOND_EFF_092015_1127, and CC06_092115_0844; therefore, the nitrate-N results for these samples were qualified as estimated with a potential low bias (J-) for detects and as estimated (UJ) for nondetects. The pH measurements were performed in a fixed laboratory rather than on-site; therefore all pH results were qualified as estimated (J), as the analysis was not conducted in the field. No



bias was assigned as the effect on the pH result could not be ascertained. The remaining holding times, as listed below, were met.

- o Hardness (2340B) 6 months
- Alkalinity (2320B) 14 days
- o Nitrate-N (300.0) 24 hours
- o Remaining anions (300.0) 28 days
- o pH (4500 H+) ASAP
- Analytical Method Blanks: There were no detects in the method blanks.
- Laboratory Control Samples: The analytes utilized in the calculation of hardness were recovered within the metals control limits. The pH recovery was within the laboratory control limits of 63-158% but exceeded the EPA Method 150.1 check standard control limit of ±0.05 at +0.10 pH units; therefore, the pH results were qualified as estimated with a potential high bias (J+). Alkalinity recoveries were within the laboratory control limits of 80-120%, anion recoveries were within the laboratory control limits of 90-110%, and alkalinity and anion RPDs were ≤30%.
- Laboratory Duplicates: Laboratory duplicate analyses were performed on sample CC06_092115_0844 for nitrate-N and chloride. The RPDs were within the QAPP control limit of ≤20%.
- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses are applicable only to the anion analysis. MS/MSD analyses were performed on sample CC06_092115_0844 for nitrate-N and chloride. Results were not assessed when the native concentration was more than 4× the spike amount. Recoveries were within the laboratory control limits of 80-120% and RPDs were within the QAPP control limit of ≤20%.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:
 - Field Blanks and Equipment Rinsates: This SDG had no identified field blank or equipment rinsate samples.
 - Field Duplicates: There were no field duplicate samples identified in this SDG.

Validated Sample Result Forms: 680-117065-2

Analysis Method 200.7 Rev 4.4

Sample Name RBEFFLUENT_092115_1006 Matrix Type: Water

Lab Sample Name: 680-117065-10 **Sample Date:** 9/21/2015 10:06:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	17000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	8000	200	24	ug/L			
Calcium	T	7440-70-2	100000	5000	250	ug/L			
Calcium, Dissolved	D	7440-70-2	420000	5000	250	ug/L			
Iron	T	7439-89-6	60000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	30000	50	17	ug/L			
Magnesium	T	7439-95-4	30000	5000	330	ug/L			
Magnesium, Dissolved	D	7439-95-4	25000	5000	330	ug/L		J+	Q
Potassium	T	7440-09-7	2600	1000	17	ug/L			
Potassium, Dissolve	d D	7440-09-7	2500	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	26000	10000	4800	ug/L			
Sodium, Dissolved	D	7440-23-5	4800	10000	4800	ug/L	U	U	

Sample Name GSPOND_EFF_092015_1127 Matrix Type: Water

Lab Sample Name: 680-117065-11 **Sample Date:** 9/20/2015 11:27:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	Т	7429-90-5	3100	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	770	200	24	ug/L			
Calcium	T	7440-70-2	340000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	360000	500	25	ug/L			
Iron	T	7439-89-6	8500	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	3000	50	17	ug/L			
Magnesium	T	7439-95-4	23000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	24000	500	33	ug/L		J+	Q
Potassium	T	7440-09-7	3400	1000	17	ug/L			
Potassium, Dissolve	d D	7440-09-7	2900	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	25000	10000	4800	ug/L			
Sodium, Dissolved	D	7440-23-5	110000	10000	4800	ug/L		J+	Q

Analysis Method 200.7 Rev 4.4

Sample Name GKMTW436_092215A Matrix Type: Water

Lab Sample Name: 680-117065-6 **Sample Date:** 9/22/2015 11:55:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	190000	500	25	ug/L			
Iron	T	7439-89-6	520	50	17	ug/L			
Magnesium	T	7439-95-4	49000	500	33	ug/L			
Potassium	T	7440-09-7	3100	1000	17	ug/L			
Sodium	T	7440-23-5	20000	1000	480	ug/L			

Sample Name GKMTW436_092215B Matrix Type: Water

Lab Sample Name: 680-117065-7 **Sample Date:** 9/22/2015 12:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	120	500	25	ug/L	J	J	
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	33	500	33	ug/L	U	U	
Potassium	T	7440-09-7	21	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	50000	1000	480	ug/L			

Sample Name GKMSW309_092215 Matrix Type: Water

Lab Sample Name: 680-117065-8 **Sample Date:** 9/22/2015 1:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	2100	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	26	200	24	ug/L	J	J	
Calcium	T	7440-70-2	55000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	59000	500	25	ug/L			
Iron	T	7439-89-6	4000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	64	50	17	ug/L			
Magnesium	T	7439-95-4	7100	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	7200	500	33	ug/L		J+	Q
Potassium	T	7440-09-7	2800	1000	17	ug/L			
Potassium, Dissolve	d D	7440-09-7	2700	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	22000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	24000	1000	480	ug/L		J+	Q

Analysis Method 200.7 Rev 4.4

Sample Name CC06_092115_0844 Matrix Type: Water

Lab Sample Name: 680-117065-9 **Sample Date:** 9/21/2015 8:44:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	25000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	24000	200	24	ug/L			
Calcium	T	7440-70-2	130000	5000	250	ug/L			
Calcium, Dissolved	D	7440-70-2	350000	5000	250	ug/L			
Iron	T	7439-89-6	97000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	69000	50	17	ug/L			
Magnesium	T	7439-95-4	42000	5000	330	ug/L			
Magnesium, Dissolved	D	7439-95-4	24000	5000	330	ug/L		J+	Q
Potassium	T	7440-09-7	2500	1000	17	ug/L			
Potassium, Dissolve	d D	7440-09-7	2500	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	23000	10000	4800	ug/L			
Sodium, Dissolved	D	7440-23-5	4800	10000	4800	ug/L	U	U	

Analysis Method 200.8

Sample Name RBEFFLUENT_092115_1006 Matrix Type: Water

Lab Sample Name: 680-117065-10 **Sample Date:** 9/21/2015 10:06:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	1.5	1	0.4	ug/L			
Antimony, Dissolved	1 D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	19	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	2.8	1	0.37	ug/L			
Barium	T	7440-39-3	9.6	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	9.2	2	0.14	ug/L			
Beryllium	T	7440-41-7	8.4	0.4	0.15	ug/L	٨		
Beryllium, Dissolved	l D	7440-41-7	4	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	71	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	69	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1.6	2	1	ug/L	J	J	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	90	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	86	0.4	0.12	ug/L			
Copper	T	7440-50-8	3400	1	0.5	ug/L	В		
Copper, Dissolved	D	7440-50-8	2200	1	0.5	ug/L			
Lead	T	7439-92-1	18	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	2.6	0.3	0.06	ug/L			

Manganese	T	7439-96-5	32000	2.5	1.2	ug/L	Е		
Manganese, Dissolved	D	7439-96-5	31000	2.5	1.2	ug/L	Е		
Molybdenum	T	7439-98-7	2.3	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	0.47	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	53	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	50	1	0.4	ug/L			
Selenium	T	7782-49-2	13	2	0.58	ug/L	В ^	UB	В
Selenium, Dissolved	D	7782-49-2	3	2	0.58	ug/L	٨		
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.22	0.2	0.1	ug/L			
Thallium, Dissolved	D	7440-28-0	0.22	0.2	0.1	ug/L			
Vanadium	T	7440-62-2	13	1	0.3	ug/L			
Vanadium, Dissolved	i D	7440-62-2	1.7	1	0.3	ug/L			
Zinc	T	7440-66-6	22000	20	2.8	ug/L	Е		
Zinc, Dissolved	D	7440-66-6	20000	20	2.8	ug/L	Е		

Sample Name GSPOND_EFF_092015_1127 Matrix Type: Water

Lab Sample Name: 680-117065-11 **Sample Date:** 9/20/2015 11:27:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.67	1	0.4	ug/L	J	J	
Antimony, Dissolved	l D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	3.7	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.99	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	19	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	11	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.7	0.4	0.15	ug/L	٨		
Beryllium, Dissolved	l D	7440-41-7	0.4	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	28	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	28	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	60	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	62	0.4	0.12	ug/L			
Copper	T	7440-50-8	230	1	0.5	ug/L	В		
Copper, Dissolved	D	7440-50-8	86	1	0.5	ug/L			
Lead	T	7439-92-1	78	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	7	0.3	0.06	ug/L			
Manganese	T	7439-96-5	22000	2.5	1.2	ug/L	Е		
Manganese, Dissolved	D	7439-96-5	23000	2.5	1.2	ug/L	E		

Molybdenum	T	7439-98-7	1.3	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	0.46	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	29	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	30	1	0.4	ug/L			
Selenium	T	7782-49-2	14	2	0.58	ug/L	В ^	UB	В
Selenium, Dissolved	D	7782-49-2	3.8	2	0.58	ug/L	۸		
Silver	T	7440-22-4	0.61	1	0.1	ug/L	J	J	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.11	0.2	0.1	ug/L	J	J	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	3.8	1	0.3	ug/L			
Vanadium, Dissolved	l D	7440-62-2	0.62	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	6600	20	2.8	ug/L	Е		
Zinc, Dissolved	D	7440-66-6	6300	20	2.8	ug/L	Е		

Sample Name GKMTW436_092215A Matrix Type: Water

Lab Sample Name: 680-117065-6 **Sample Date:** 9/22/2015 11:55:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.41	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	15	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U ^	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.24	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	1.7	1	0.5	ug/L	В	UB	В
Lead	T	7439-92-1	0.097	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	10	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	2.1	1	0.45	ug/L			
Nickel	T	7440-02-0	1.4	1	0.4	ug/L			
Selenium	T	7782-49-2	15	2	0.58	ug/L	В^	UB	В
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	13	20	2.8	ug/L	J	J	

Sample Name GKMTW436_092215B Matrix Type: Water

Lab Sample Name: 680-117065-7 **Sample Date:** 9/22/2015 12:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	Т	7440-36-0	0.4	1	0.4	ησ/Ι.	U	TT.	

Arsenic	T	7440-38-2	0.56	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	0.2	2	0.14	ug/L	J	J	
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	Π ^	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	
Copper	T	7440-50-8	11	1	0.5	ug/L	В		
Lead	T	7439-92-1	0.25	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	0.4	1	0.4	ug/L	U	U	
Selenium	T	7782-49-2	8.6	2	0.58	ug/L	В ^	UB	В
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	33	20	2.8	ug/L			

Sample Name GKMSW309_092215 Matrix Type: Water

Lab Sample Name: 680-117065-8 **Sample Date:** 9/22/2015 1:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.9	1	0.4	ug/L	J	J	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	3.9	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.52	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	91	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	60	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.21	0.4	0.15	ug/L	J ^	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	2	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.37	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1.3	2	1	ug/L	J	J	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	3.1	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.15	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	32	1	0.5	ug/L	В		
Copper, Dissolved	D	7440-50-8	2.4	1	0.5	ug/L			
Lead	T	7439-92-1	61	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.93	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1400	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	100	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	2.1	1	0.45	ug/L			

Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U		
Nickel	T	7440-02-0	2.9	1	0.4	ug/L				
Nickel, Dissolved	D	7440-02-0	2.5	1	0.4	ug/L				
Selenium	T	7782-49-2	11	2	0.58	ug/L	В ^	UB	В	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U		
Silver	T	7440-22-4	0.59	1	0.1	ug/L	J	J		
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U		
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U		
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U		
Vanadium	T	7440-62-2	3.2	1	0.3	ug/L				
Vanadium, Dissolved	d D	7440-62-2	0.3	1	0.3	ug/L	U	U		
Zinc	T	7440-66-6	360	20	2.8	ug/L				
Zinc, Dissolved	D	7440-66-6	85	20	2.8	ug/L				

Sample Name CC06_092115_0844 Matrix Type: Water

Lab Sample Name: 680-117065-9 **Sample Date:** 9/21/2015 8:44:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	3	1	0.4	ug/L			
Antimony, Dissolved	l D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	37	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	3.3	1	0.37	ug/L			
Barium	T	7440-39-3	8.9	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	9	2	0.14	ug/L			
Beryllium	T	7440-41-7	12	0.4	0.15	ug/L	۸		
Beryllium, Dissolved	l D	7440-41-7	10	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	65	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	65	0.5	0.043	ug/L			
Chromium	T	7440-47-3	3.1	2	1	ug/L			
Chromium, Dissolved	D	7440-47-3	1.6	2	1	ug/L	J	J	
Cobalt	T	7440-48-4	89	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	90	0.4	0.12	ug/L			
Copper	T	7440-50-8	5000	1	0.5	ug/L	ВЕ		
Copper, Dissolved	D	7440-50-8	4900	1	0.5	ug/L	Е		
Lead	T	7439-92-1	35	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	26	0.3	0.06	ug/L			
Manganese	T	7439-96-5	31000	2.5	1.2	ug/L	Е		
Manganese, Dissolved	D	7439-96-5	30000	2.5	1.2	ug/L	Е		
Molybdenum	T	7439-98-7	4.1	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	53	1	0.4	ug/L			

Analysis	Method	200.8

Milliysis Wi	emou	200	.0							
Nickel, Dissolved	D		7440-02-0	53	1	0.4	ug/L			
Selenium	Т		7782-49-2	11	2	0.58	ug/L	В^	UB	В
Selenium, Dissolved	l D		7782-49-2	2.7	2	0.58	ug/L	۸		
Silver	T		7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D		7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T		7440-28-0	0.23	0.2	0.1	ug/L			
Thallium, Dissolved	D		7440-28-0	0.25	0.2	0.1	ug/L			
Vanadium	T		7440-62-2	25	1	0.3	ug/L			
Vanadium, Dissolve	d D		7440-62-2	1.3	1	0.3	ug/L			
Zinc	T		7440-66-6	22000	20	2.8	ug/L	E		
Zinc, Dissolved	D		7440-66-6	21000	20	2.8	ug/L	E		
Analysis M	ethod	232	<i>0B-2011</i>							
Sample Name	R	BEFFLU	ENT_092115	_1006				Matrix Type	: Water	
Lab Sample Nar	ne: 68	80-117065-1	O Samp	ole Date:	9/21/2015 10:06:00	AM				
Analyte	Total/Dis	ssolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T		STL00171	5	5	5	mg/L	U	U	
Sample Name	G	SPOND_	EFF_092015	_1127				Matrix Type	: Water	
Lab Sample Nar	ne: 68	80-117065-1	1 Samı	ole Date:	9/20/2015 11:27:00	AM				
A malerta	Total/D:	and sund	CAS No	Dogult	Donouting	MDL				
Analyte	Total/Dis	ssorveu	CAS NO	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T		STL00171	5	5	5	mg/L	U	U	
Sample Name	G	KMSW3	09_092215					Matrix Type	: Water	
Lab Sample Nar	ne: 68	80-117065-8	Sam _I	ole Date:	9/22/2015 1:50:00 F	PM				
Analyte	Total/Dis	ssolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	Т		STL00171	78	5	5	mg/L			
Sample Name	C	C06_092	115_0844					Matrix Type	• Water	
Lab Sample Nar	ne: 68	30-117065-9	Samp	ole Date:	9/21/2015 8:44:00 A	AM				
Analyte	Total/Dis	ssolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T		STL00171	5	5	5	mg/L	U	U	
Analysis M		234	OB-2011	-	-	-		-	-	
Sample Name		BEFFLU	ENT_092115	_1006				Matrix Type	: Water	
Lab Sample Nar		80-117065-1		- ole Date:	9/21/2015 10:06:00	AM		_		
Analyte	Total/Dis	ssolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	Т		STL00009	380	3.3	3.3	mg/L		Z	3 - 6 - 6
10tai 11ai aii C33			DILUUUU7	300	5.5	5.5	mg/L			

Analysis Method 2340B-2011

Sample Name		GSPOND_1	EFF_092015	_1127				Matrix Type	: Water	
Lab Sample Na	me:	680-117065-1	1 Samp	ole Date:	9/20/2015 11:27:00) AM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T		STL00009	950	3.3	3.3	mg/L			
Sample Name		GKMTW43	36_092215A					Matrix Type	: Water	
Lab Sample Na	me:	680-117065-6	Samp	ole Date:	9/22/2015 11:55:00) AM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T		STL00009	670	3.3	3.3	mg/L			
Sample Name		GKMTW43	36_092215B					Matrix Type	: Water	
Lab Sample Na	me:	680-117065-7	Samp	ole Date:	9/22/2015 12:00:00	PM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T		STL00009	3.3	3.3	3.3	mg/L	U	U	
Sample Name		GKMSW30	09_092215					Matrix Type	: Water	
Lab Sample Na	me:	680-117065-8	Samp	ole Date:	9/22/2015 1:50:00	PM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T		STL00009	170	3.3	3.3	mg/L			
Sample Name		CC06_0921	15_0844					Matrix Type	: Water	
Lab Sample Na	me:	680-117065-9	Samp	ole Date:	9/21/2015 8:44:00	AM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T		STL00009	500	3.3	3.3	mg/L			
Analysis M	lethod	d 245.	.1							
Sample Name		RBEFFLUI	ENT_092115	_1006				Matrix Type	: Water	
Lab Sample Na	me:	680-117065-1	0 Samp	ole Date:	9/21/2015 10:06:00	AM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T		7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury, Dissolved	l D		7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Sample Name		GSPOND_	EFF_092015	_1127				Matrix Type	: Water	
Lab Sample Na	me:	680-117065-1	1 Samp	ole Date:	9/20/2015 11:27:00	AM				
Analyte	Total/	Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

Analysis	Method	245.1

680-117065-10	CAS No 16887-00-6 16984-48-8 14797-55-8 14808-79-8 EFF_092015	0.37 8.3 0.023 1300 _1127	0.2 0.2 9/21/2015 10:06:00 Reporting Limit 0.5 0.5 0.05 50 9/20/2015 11:27:00	0.2 0.2 0.2 0.023 20	Result Units mg/L mg/L mg/L mg/L	U Matrix Type Lab Qualifier J UH Matrix Type	U : Water Validation Qualifier J	Validation Notes
RBEFFLUE 680-117065-10 tal/Dissolved	7439-97-6 O ENT_092115 Samp CAS No 16887-00-6 16984-48-8 14797-55-8 14808-79-8 EFF_092015	0.08 _1006 ble Date: Result Value 0.37 8.3 0.023 1300 _1127	0.2 9/21/2015 10:06:00 Reporting Limit 0.5 0.5 0.05	0.08 MDL 0.2 0.2 0.023 20	Result Units mg/L mg/L mg/L mg/L	U Matrix Type Lab Qualifier J U H	U : Water Validation Qualifier J	Notes
RBEFFLUE 680-117065-10	7439-97-6 O ENT_092115 Samp CAS No 16887-00-6 16984-48-8 14797-55-8	0.081006 sle Date: Result Value 0.378.30.023	0.2 9/21/2015 10:06:00 Reporting Limit 0.5 0.5 0.05	0.08 MDL 0.2 0.2 0.02	Result Units mg/L mg/L mg/L mg/L	U Matrix Type Lab Qualifier J U H	U : Water Validation Qualifier J	Notes
RBEFFLUE 680-117065-10	7439-97-6 O ENT_092115 Samp CAS No 16887-00-6 16984-48-8	0.081006 sle Date: Result Value 0.378.30.023	0.2 9/21/2015 10:06:00 Reporting Limit 0.5 0.5 0.05	0.08 MDL 0.2 0.2 0.02	Result Units mg/L mg/L	U Matrix Type Lab Qualifier	U : Water Validation Qualifier	Notes
RBEFFLUE 680-117065-10	7439-97-6 O ENT_092115 O Samp CAS No 16887-00-6	0.08 _1006 sle Date: Result Value	0.2 9/21/2015 10:06:00 Reporting Limit 0.5	0.08 0 AM MDL 0.2	ug/L Result Units	U Matrix Type Lab Qualifier	U : Water Validation Qualifier	
RBEFFLUE 680-117065-10	7439-97-6 O ENT_092115 Samp CAS No	0.08 _1006 ble Date: Result Value	0.2 9/21/2015 10:06:00 Reporting Limit	0.08 0 AM MDL	ug/L Result Units	U Matrix Type Lab Qualifier	U : Water Validation Qualifier	
RBEFFLUE 680-117065-10	7439-97-6 O ENT_092115	0.08 _1006 sle Date: Result	0.2 9/21/2015 10:06:00 Reporting	0.08	ug/L Result	U Matrix Type Lab	U : Water	
RBEFFLUE	7439-97-6 <i>O</i> ENT_092115	0.08	0.2	0.08	ug/L	U	U	
	7439-97-6 <i>O</i>	0.08			ug/L	U	U	
10d 300.	7439-97-6							
	7439-97-6	0.08	0.2	0.08	ug/L	U		
						TT	Ŭ	
tal/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
		1 D 4	0/21/2015 9:44:00	A N #		мантх туре	: water	
CC04 0001		0.08	0.2	0.08				
	7439-97-6	0.08	0.2	0.08	ug/L		U	
tal/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
680-117065-8	Samp	le Date:	9/22/2015 1:50:00	PM				
GKMSW30	09_092215					Matrix Type	: Water	
	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
tal/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
		la Data.	0/22/2015 12:00:00) DM		Matrix Type	: water	
		0.08	0.2	0.08				
tal/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
680-117065-6	Samp	le Date:	9/22/2015 11:55:00) AM				
GKMTW43	36_092215A					Matrix Type	: Water	
		0.08					U	
11	680-117065-6 tal/Dissolved GKMTW43 680-117065-7 tal/Dissolved GKMSW30 680-117065-8 tal/Dissolved CCO6_0921 680-117065-9	7439-97-6 GKMTW436_092215B 680-117065-7 Samp tal/Dissolved CAS No 7439-97-6 GKMSW309_092215 680-117065-8 Samp tal/Dissolved CAS No 7439-97-6 7439-97-6 7439-97-6 CC06_092115_0844 680-117065-9 Samp	7439-97-6 0.08 GKMTW436_092215A 680-117065-6 Sample Date: tal/Dissolved CAS No Result Value 7439-97-6 0.08 GKMTW436_092215B 680-117065-7 Sample Date: tal/Dissolved CAS No Result Value 7439-97-6 0.08 GKMSW309_092215 680-117065-8 Sample Date: tal/Dissolved CAS No Result Value 7439-97-6 0.08 7439-97-6 0.08	T439-97-6 0.08 0.2	T439-97-6 0.08 0.2 0.08	T439-97-6 0.08 0.2 0.08 ug/L	T439-97-6 0.08 0.2 0.08 ug/L U	T439-97-6 0.08 0.2 0.08 ug/L U U

Analysis	Method	300.0

Chloride	T		16887-00-6	0.5	0.5	0.2	mg/L			
Fluoride	T		16984-48-8	2.3	0.1	0.04	mg/L			
Nitrate as N	T		14797-55-8	0.023	0.05	0.023	mg/L	UH	UH	Н
Sulfate	T		14808-79-8	1200	50	20	mg/L			
Sample Nan	ne GK	MSW309	_092215					Matrix Type	: Water	
Lab Sample N	Name: 680-	-117065-8	Samp	ole Date:	9/22/2015 1:50:00 PM	1				
Analyte	Total/Disso	olved (CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T		16887-00-6	22	0.5	0.2	mg/L			
Fluoride	T		16984-48-8	0.42	0.1	0.04	mg/L			
Nitrate as N	T		14797-55-8	0.066	0.05	0.023	mg/L			
Sulfate	T		14808-79-8	87	5	2	mg/L			
Sample Nan	ne CC	06_09211	5_0844					Matrix Type	: Water	
Lab Sample N	Name: 680-	-117065-9	Samp	le Date:	9/21/2015 8:44:00 AM	А				
Analyte	Total/Disse	olved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Chloride	T		16887-00-6	0.37	0.5	0.2	mg/L	J	J	
Fluoride	T		16984-48-8	9.8	0.5	0.2	mg/L			
Nitrate as N	T		14797-55-8	0.023	0.05	0.023	mg/L	UH	UH	Н
Sulfate	T		14808-79-8	1400	50	20	mg/L			
Analysis .	Method	4500	H+B-2	011						
Sample Nan	ne RB	EFFLUE	NT_092115	_1006				Matrix Type	: Water	
Lab Sample N	Name: 680-	-117065-10	Samp	ole Date:	9/21/2015 10:06:00 A	M				
Analyte	Total/Disso	olved (CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
рН	T		STL00204	4.71			SU	HF	J+	H, L
Sample Nan	ne GS	POND_E	FF_092015	_1127				Matrix Type	: Water	
Lab Sample N	Name: 680-	-117065-11	Samp	ole Date:	9/20/2015 11:27:00 A	M				
Analyte	Total/Disso	olved (CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
рН	Т		STL00204	5.88			SU	HF	J+	H, L
Sample Name GKMSW309_092215							Matrix Type	: Water		
Lab Sample N	Name: 680-	-117065-8	Samp	ole Date:	9/22/2015 1:50:00 PM	1				
Analyte	Total/Disso	olved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

SU

HF

J+

STL00204

7.06

рН

H, L

Analysis Method 4500 H+ B-2011

CC06_092115_0844 Matrix Type: Water Sample Name **Sample Date:** 9/21/2015 8:44:00 AM 680-117065-9 Lab Sample Name: Analyte Total/Dissolved CAS No MDL Result Reporting Result Lab Validation Validation Value Limit Units Qualifier Qualifier Notes pН T STL00204 SU HF H, L 3.16 J+